

Supplementary file 2. Percentage of cases in different variable groups

variable	threshold levels/ group categories	Percentage of positive cases
PD-L1 Tumor cells	<1% vs. ≥1%	58.8% vs. 41.2%
	<5% vs. ≥5%	68.5% vs. 31.5%
	<50% vs. ≥50%	78.2% vs. 21.8%
PD-L1 Immune cells	<1% vs. ≥1%	36.2% vs. 63.8%
	<5% vs. ≥5%	51.9% vs. 48.1%
	<10% vs. ≥10%	75.0% vs. 25.0%
PD-1 Immune cells	<1% vs. ≥1%	24.8% vs. 75.2%
	<5% vs. ≥5%	73.9% vs. 26.1%
	<10% vs. ≥10%	88.5% vs. 11.5%
Groups used in the POPLAR study		
PD-L1 Tumor cells or immune cells	Non-expressors vs. any-expressors	26.4% vs. 73.6%
	Lower-expressors vs. high/medium-expressors	38.0% vs. 62.0%
	Lower-expressors vs. high-expressors	58.3% vs. 41.7%